

ABSTRACT OF THE DISCLOSURE

An OFDM receiver has four antennas or more for receiving an OFDM modulated high frequency signal, and 5 plural OFDM demodulators for inputting a baseband signal of a time domain thereto on the basis of the high frequency signal and outputting the baseband signal of a frequency domain, wherein the OFDM demodulators are arranged every plural antenna groups with two or more of 10 the antennas as one group, and a signal is diversity-synthesized by a first phase shifter until the baseband signal of the time domain is inputted to each of the OFDM demodulators, and the baseband signal of the frequency domain is diversity-synthesized by a second phase shifter.